BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Modified Estimate For Construction of Bangalore one building providing entrance gate Raising of chain link fencing and flood light pole fixing etc in ward No.07, Byatarayanapura Kodigehalli Sub Division

H/A : P-1771 POW /2014-15 | *Est. Cost Rs. 1734253.00*

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (a) /2.3.5 (P.5/I.2.3 PW, P & IWTD -SR 2014-15)	Cum							
	Columns		11	1.20	1.20	1.05	16.63		
	L/w		2	11.90	0.90	0.90	19.28		
	S/w		3	3.90	0.90	0.90	9.48		
							45.39		
	Deductions - Columns		11	1.20	0.90	0.90	10.69	189.00	
							34.70	172.00	**5968.00**
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3 PW, P & IWTD SR 2014-15)	Cum							
	Columns		11	1.20	1.20	0.20	3.17		
	L/w		2	11.90	0.90	0.15	3.21		
	S/w		3	3.90	0.90	0.15	1.58		
	Foundation Columns		1	4.65	4.70	0.15	3.28		
			1	4.65	5.90	0.15	4.12		
			1	2.65	1.80	0.15	0.72		
							16.08		
	Deductions		11	1.20	0.90	0.15	1.78	4867.00	
							14.30	4757.00	**68025.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.~~1.13~~ 13 (P.23/I.5.6 PW, P & IWTD -SR 2014-15)	Cum							
	Below GL		2	11.60	0.60	0.60	8.35		
			3	4.20	0.60	0.60	4.54		
			2	11.30	0.45	0.65	6.61		
			3	4.50	0.45	0.65	3.95		
							23.45	4137.00	
	Deductions Columns		11	0.45	0.23	1.25	1.42	~~3249.00~~	
							22.03	3610.00	**79528.00**
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9 PW, P & IWTD -SR 2014-15)	Cum							
			2	11.30	0.45	0.50	5.09		
			3	4.50	0.45	0.50	3.04		
							8.13		
	Deductions		11	0.45	0.23	0.50	0.57	5005.00	
							7.56	~~4458.00~~	**33702.00**
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum, with superplasticiers @3 Ltrs Confirming to IS: 9103-1999 reaformed 2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedstals retaining wall return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.11 PW, P & IWTD -SR ~~2014-~~ 15) 16-17	Cum							
a	**Upto Plinth Beam**								
	Column Footings		11	1.20	1.20	0.30	4.75		
	Pedstal		11	0.60	0.60	0.30	1.19		
	Column		11	0.45	0.23	0.60	0.68		
	Plinth Beam		2	11.30	0.23	0.30	1.56		
			3	4.50	0.23	0.30	0.93		
							9.11		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Deductions - Columns		11	0.45	0.23	0.30	0.34		
							8.77		
b	**Upto Roof Slab**								
	Columns		11	0.45	0.23	4.00	4.55		
	Lintle - L/w		2	11.20	0.23	0.30	1.55		
	Chajja		1	5.00	0.45	0.10	0.23		
			1	8.10	0.45	0.10	0.36		
	S/w		3	4.65	0.23	0.30	0.96		
	Roof Beam- L/w		2	13.50	0.23	0.30	1.86		
			3	5.75	0.23	0.30	1.19		
	RCC Roof Slab		1	13.50	6.10	0.15	12.35		
							23.05		
	Deductions - Columns		11	0.45	0.23	0.60	0.68		
							22.37		
								6011-40	
	Total a + b						**31.14**	~~5952.00~~	**185345.00**
6	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD -SR 2014-15)	Cum							
			1	4.65	4.70	0.60	13.11		
			1	4.65	5.90	0.60	16.46	127	
							29.57	~~115.00~~	**3401.00**
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.~~109~~/I.15.3 PW, P & IWTD SR 2014-15) 113	Sqm						98	
			1	4.65		0.45	**2.09**	90.00	**188.00**
8	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.16/I.4.36 PW, P & IWTD - SR 2014-15)	Sqm							
	Centering Works								
	Column Footings		11x2	(1.20+1.20)		0.30	15.84		
			11x2	(0.60+0.60)		0.30	7.92		
	Columns		11x2	(0.45+0.23)		4.60	68.82		
	Plinth Beam		2x2	11.30		0.35	15.82		
			3x2	4.50		0.35	9.45		
	Lintle		2x2	11.20		0.30	13.44		
			3x2	4.65		0.30	8.37		
	Beam		2x2	13.50		0.30	16.20		
			3x2	5.75		0.30	10.35		
	Roof Slab		1	13.50	6.10		82.35		
	Roof slab edge		2	13.50		0.15	4.05		
			2	6.10		0.15	1.83		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Chajja- Backside		1	5.00	0.50		2.50		
	Right side		1	8.10	0.50		4.05		
			2x2	0.45		0.10	0.18		
			1	5.00		0.10	0.50		
			1	8.10		0.10	0.81		
							262.48		
	Deductions		11x2	(0.45+0.23)		0.85	12.72	678	
							249.76	~~686.00~~	**171335.00**
9	KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:5:3 blocks of size 40x20x20cms. (lxbxh) strength not less than 50 kg. per sqm with cement mortar 1:4 conforming to I.S. 2185 of 1967 having not less than 40mm. shell thickness with two or more large cavities and having solid material between including cost of materials, labour charges, scaffolding, curing complete as per specifications. KBS No. 5.4 (P.24/I.5.24 PW, P & IWTD -SR 2014-15)	Sqm							
	For Wall Portion		1	11.20		3.50	39.20		
			1	11.20		3.00	33.60		
			3	4.65		2.70	37.67		
	Steps - Front Portion		1	2.80	1.80		5.04		
			1	2.80	1.50		4.20		
			1	2.80	1.20		3.36		
			1	2.80	0.90		2.52		
			1	2.80	0.70		1.96		
	Right side		1	2.60	0.80		2.08		
			1	2.35	0.30		0.71		
			1	2.05	0.30		0.62		
	Parapet		1	13.50		0.90	12.15		
			1	5.90		0.90	5.31		
			1	5.15		0.90	4.64		
			1	1.00		0.90	0.90		
							153.96		
	Deductions - RS		1	1.90		2.10	3.99		
			1	2.00		2.10	4.20		
	AW		5	1.50		1.50	11.25		
	AW1		2	1.80		1.50	5.40		
	Lintle		2	11.20		0.30	6.72		
			3	4.65		0.30	4.19	948.50	
							35.75		
							118.21	~~1023.00~~	**120929.00**
10	KSRB 4.9.1 : Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete, as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.17/I.4.45 PW, P & IWTD -SR 2014-15)	q							
			40.67				**40.67**	7830.00	**318446.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
11	KSRB 7.2 Providing and fixing 1mm thick M.S. sheet sliding shutters with frame and diagonal braces of 40x40x6 mm angle Iron 3.15mm thick M.S. Gusset plates at junctions and corners, 25mm dia pulley, 40x40x6 mm angles and T iron guide rail top and bottom respectively with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. 1 double leaf door of size 2.4x2.4m Specification No. KBS 7.8 / 7.12 (P.31/I.7.2 PW, P & IWTD -SR 2014-15)	Sqm						2830.00	
	RS		1	1.90		2.10	**3.99**	~~3576.00~~	**14268.00**
12	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. should confirm to I.S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 (P.32/I.7.7 PW, P & IWTD -SR-2014-15)	Sqm							
	AW		5	1.50		1.50	11.25	3530.00	
	AW1		2	1.80		1.50	5.40		
							16.65	3232.00	**53813.00**
13	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (P.32/I.7.9 PW, P & IWTD -SR 2014-15)	Kgs							
	AW		5	1.50		1.50	11.25		
	AW1		2	1.80		1.50	5.40		
							16.65		
							349.65	78	
							Say **350.00**	~~98.00~~	**34300.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
14	Item No.14.44-1: Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (P.104/I.14.45 PW, P & IWTD -SR 2014-15)	Sqm							
	Flooring		1	4.65	5.90		27.44		
			1	4.65	4.70		21.86		
	Skirting		4	4.65	0.10		1.86		
			2	5.90	0.10		1.18	1112.50	
			2	4.70	0.10		0.94		
							53.28	~~1105.00~~	**58874.00**
15	KSRB 15.3.3 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.~~109~~/I.15.11 PW, P & IWTD -SR 2014-15) 113	Sqm							
	Outside Plastering								
	For Wall Portion		1	11.20		3.90	43.68		
			1	11.20		3.45	38.64		
			2	5.15		3.15	32.45		
	Steps - Front Portion - Sides		2	2.80		0.15	0.84		
			2	2.80		0.15	0.84		
			2	2.80		0.15	0.84		
			2	2.80		0.15	0.84		
			2	2.80		0.15	0.84		
	Parapet		2	13.50		0.90	24.30		
			2	5.90		0.90	10.62		
			2	5.15		0.90	9.27		
			2	1.00		0.90	1.80		
							164.96		
	Deductions - RS		1	1.90		2.10	3.99		
			1	2.00		2.10	4.20		
	AW		5	1.50		1.50	11.25		
	AW1		2	1.80		1.50	5.40		
							24.84	150	
							140.12	~~141.00~~	**19757.00**
16	KSRB 15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.~~109~~/I.15.14 PW, P & IWTD -SR 2014-15) 114	Sqm							
	Inside Plastering		4	4.65		3.00	55.80		
			2	5.90		3.00	35.40		
			2	4.70		3.00	28.20		
							119.40		
	Deductions - RS		1	1.90		2.10	3.99		
			1	2.00		2.10	4.20		
	AW		5	1.50		1.50	11.25		
	AW1		2	1.80		1.50	5.40		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							24.84	167	
							94.56	~~141.00~~	**13333.00**
17	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.~~110~~/I.15.21 PW, P & IWTD -SR 2014-15) 114	Sqm							
	Ceiling Plastering		1	4.65	4.70		21.86		
			1	4.65	5.90		27.44		
	Chajja		2	5.00	0.45		4.50		
			2	8.10	0.45		7.29		
	Sides		4	0.45	0.10		0.18		
			1	5.00	0.10		0.50		
			1	8.10	0.10		0.81		
	Roof Slab Projection		1	13.20	1.10		14.52		
			1	13.20	0.95		12.54		
			2	5.15	1.15		11.85		
	Beam Sides		6	1.10	0.30		1.98		
			8	1.15	0.30		2.76		
							106.23	~~183.00~~ 193.50	**19440.00**
18	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (P.~~113~~/I.15.49.1 PW, P & IWTD -SR 2014-15) 117	Sqm							
			Qty Vide Item No.16+17				**200.79**	~~65.00~~ 71.	**13051.00**
19	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (P.113/I.15.51.1 PW, P & IWTD -SR 2014-15)	Sqm							
			Qty Vide Item No.15				**140.12**	~~67.00~~ 71.	**9388.00**
20	KSRB 15-~~18.2~~: Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.117/I.15.74 PW, P & IWTD -SR 2014-15)	Sqm							
	RS	2.25	1	1.90		2.10	8.98		

Sl. Nó.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		2.25	1	2.00		2.10	9.45		
	AW	1	5	1.50		1.50	11.25		
	AW1	1	2	1.80		1.50	5.40	82	
							35.08	~~80.00~~	**2806.00**
21	KSRB 7.14 : Providing, fabricating, assembling and fixing in position anodized aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.l8mm.thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/rn. and double grove section 2.683 kg/m and bottom member 114.3mmx44.45mm 3.18mm thick weight 2.646 kg/rn; aluminium louvres of size 77.6rnmx27.6rnm 1.7mm. thick section weight 0.483kg/rn; anodised 12 to 15 microns, with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) HOM of machinery complete as per specifications. (P.34-35/I.7.14.1 PW, P & IWTD -SR-2014-15)	Sqm							
	Not Executed								
22	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.~~98~~/I.14.6 PW, P & IWTD -SR 2014-15) 101	Sqm							
			1	3.90	5.50		21.45		
			1	21.60	15.20		328.32		
			1	6.40	3.95		25.28	912.40	
							375.05	~~879.00~~	**329669.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
23	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer- in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.252/I.37.2 PW, P & IWTD SR 2014-15) 262	Rmtr							
	Near Backside Gate (Busstop)		12	2.90			34.80		
	Hopcoms		8	0.90			7.20		
	North Side		2	1.90			3.80		
			1	2.60			2.60		
			1	3.30			3.30	819.	
							51.70	~~1088.00~~	**56250.00**
24	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with MS. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.252/I.37.4 PW, P & IWTD SR 2014-15) 262	M							
	Playground side		3	6.00			18.00		
			2	5.00			10.00		
	Near Gate Portion		4	21.00			84.00		
			1	15.00			15.00		
			4	1.50			6.00		
			6	2.00			12.00		
			4	2.30			9.20		
			4	2.00			8.00	324.50	
							162.20	~~316.00~~	**51255.00**
25	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.252/I.37.3 PW, P & IWTD SR 2014-15) 212	Sqm							
			1	21.00		2.15	45.15		
			1	15.00		0.90	13.50		
			1	1.50		2.00	3.00		
			1	2.00		2.50	5.00		
			1	2.30		2.50	5.75		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	2.00		3.00	6.00		
			3	6.00		1.00	18.00		
			2	5.00		1.00	10.00	18-9-17	
							106.40	~~669.00~~	**71182.00**
								Total	**1734253.00**

(Rupees Seventeen Lakhs Thirty Four Thousand Two Hundred Fifty Three Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2014-15 of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

N.D

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub-Division
BBMP

Bruhat Bengaluru Mahanagara Palike
Bangalore - 560 092

3/02

Executive Engineer
Byatarayanapura Division
BBMP

03/02

"{Modified Estimate} Approved"

17.02.17